Comply. On this set of pages, the insertions are underlined while **[the deletions are bolded and bracketed]**.

VERIFICATION UNDER 37 C.F.R. § 1.821(f) & (g)

All of the sequences in the attached Sequence Listing were included in the application as filed. Pursuant to 37 C.F.R. § 1.821(g), no new matter is being added herewith. As required under 37 C.F.R. § 1.821(f), I hereby verify that the data on the enclosed disk and the paper copies of the Sequence Listing are identical.

CONCLUSION

No fees are believed due; however, should any fees be required, please charge them to Deposit Account No. 11-1410. Should there be any questions concerning this application, the Examiner is respectfully invited to contact the undersigned at the telephone appearing below.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 26 Jun 2002

By: Daniel Altman

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Paragraph [0013] has been amended as follows:

[0013] For years it has been known that Chlamydia can induce cardiovascular disease in experimental animals. This Chlamydia-mediated heart disease in mice can be induced by antigenic mimicry of a heart muscle-specific protein, thus providing a molecular link between Chlamydia infections and heart disease. Since many infectious agents have been implicated in heart disease, it is not surprising that organisms other than Chlamydia can also supply mimicking epitopes. Indeed, Machmaier, K. et al., in a study published in Nature Medicine in August 2000, screened public databases for proteins sharing the pathogenic mouse M7Aα peptide MA'ST motif (whose amino acid sequence is as follows: SLKLMATLFSTYASA (SEQ ID NO:1)). This motif is found in proteins from a multitude of viruses, bacteria, fungi, and protozoa, which are involved in cardiovascular disease.

Paragraph [0068] has been amended as follows:

[0068] Myosin pathogenic peptide "SLKLMATLFSTYASA" (SEQ ID NO:1) was synthesized by a robotic multiple peptide synthesizer and resin was used as solid support. Peptide was characterized by reversed-phase HPLC and electrospray mass-spectrometry with purity greater than 80%. This peptide was bound to bovine serum albumin and used for coating microtiter plates.

Paragraph [0078] has been amended as follows:

[0078] Human HSP60 Peptide "AMTIAKNAGEGSLIVEKIM" (SEQ ID NO:2) was synthesized by a robotic multiple peptide synthesizer and resin was used as solid support. Peptide was characterized by reversed-phase HPLC and electrospray mass-spectrometry with purity greater than 80%. This peptide was bound to bovine serum albumin and used for coating microtiter plates.